MPI: Partitioning to 1,000 Date:

3 Complete the number sentences.

a)

460 = ☐ + ☐

b)

406 = ☐ + ☐

What is the same? What is different?

4 Complete the number sentences.

a) 328 = ☐ + ☐ + ☐

b) 249 = ☐ + ☐ + ☐

c) 320 = ☐ + ☐

d) 804 = ☐ + ☐

5 Complete the sentences.

a) 473 is equal to ☐ hundreds, ☐ tens and ☐ ones.

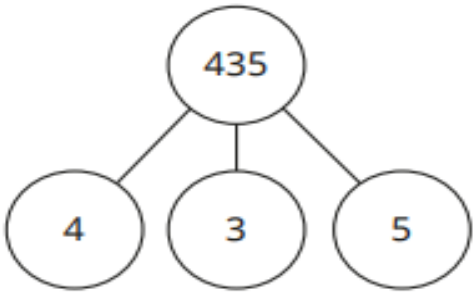
b) ☐ is equal to 1 hundred, 9 tens and 4 ones.

c) 208 is equal to ☐ hundreds and ☐ ones.

d) ☐ is equal to 5 hundreds and 7 tens.

Challenge

6 Tiny has partitioned the number 435 using a part-whole model.



Explain the mistake that Tiny has made.

7 Tom has three digit cards.

3	8	6

He makes a 3-digit number greater than 500

What number could he have made?

Partition your number.

☐ = ☐ + ☐ + ☐

8 Esther has spilt some paint on a question.

8 = 800 + ☐ + ☐

- The number of tens is double the number of ones.
- Both the missing digits are less than the number of hundreds.

What could the missing digits be?

Compare answers with a partner.

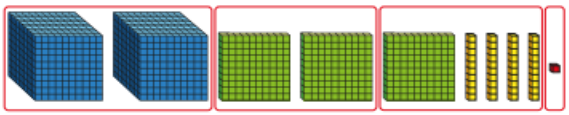
MPI: Flexible partitioning to 10,000 Date:

1 Complete the number sentences.

a)

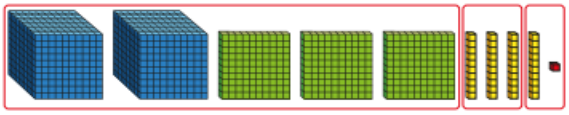
2,341 = 1,000 + ☐ + ☐ + ☐

b)



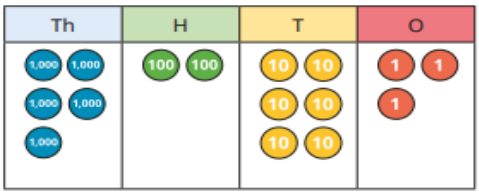
2,341 = ☐ + ☐ + ☐ + ☐

c)



2,341 = ☐ + ☐ + ☐

2 Use the place value chart to help you complete the number sentences.



a) 5,263 = 3,000 + ☐ + 60 + 3

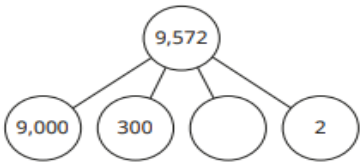
b) 5,263 = 5,000 + 100 + ☐ + 13

c) 5,263 = 4,000 + 200 + 60 + ☐

d) 5,263 = ☐ + 4,200 + 63

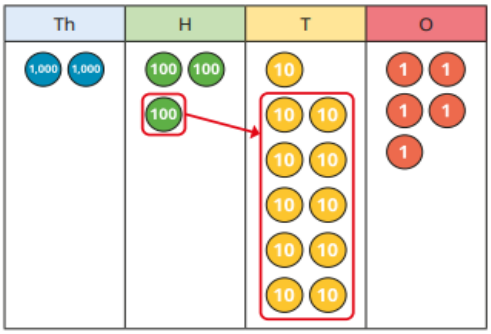
3 Complete the part-whole models.

a)



b)

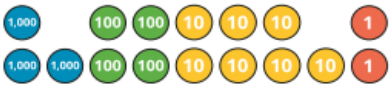
4 Dani exchanges 1 hundred for 10 tens.



Complete the number sentence.

2,315 = 2,000 + ☐ + ☐ + 5

5 Complete the number sentences.



3,472 = 3,000 + ☐ + ☐ + ☐

3,472 = 2,000 + ☐ + ☐ + ☐

3,472 = 1,000 + ☐ + ☐ + ☐

Can you partition 3,472 in any other ways?

Talk about it with a partner.

6 Is the statement true or false?

20 hundreds is equal to 2,000

Explain your answer.

7 Write <, > or = to complete the statements.

a) 32 tens ◯ 32 ones

b) 32 hundreds ◯ 3,200

c) 30 tens + 2 ones ◯ 32

d) 320 ones ◯ 32 tens

8 Here are some number cards.

46 hundreds	4,000 + 600	3 thousands and 16 hundreds	460 ones

a) Tick the number that is not equal to the others.

b) Write the number 4,000 + 600 another way.

7 Complete the table.

1,000 less	100 less	10 less	1 less	Number	1 more	10 more	100 more	1,000 more
				3,567				
				2,906				
			3,456					
							1,180	

7 Complete the table.

1,000 less	100 less	10 less	1 less	Number	1 more	10 more	100 more	1,000 more
				3,567				
				2,906				
			3,456					
							1,180	